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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/055,810	01/23/2002	Vlad Popescu-Stanesti	O2Micro 01.02	7406
32047	7590	11/17/2005	EXAMINER	
GROSSMAN, TUCKER, PERREAUULT & PFLEGER, PLLC 55 SOUTH COMMERICAL STREET MANCHESTER, NH 03101			DEBERADINIS, ROBERT L	
			ART UNIT	PAPER NUMBER
			2836	

DATE MAILED: 11/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/055,810	Applicant(s) POPESCU-STANESTI ET AL.	
	Examiner Robert DeBeradinis	Art Unit 2836	

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 September 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>8/29/02</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The reply filed 9/7/05 consists of amending claims 1-19 and remarks related to rejection of claims.

Response to Arguments

Applicant's arguments, see remarks, filed 9/7/05, with respect to the rejection(s) of claim(s) 1, 6 under SAEKI have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of CUMMINGS 6,058,034.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 6, 7, 8, 12, 13, 14, 15, 19 are rejected under 35 U.S.C. 102(b) as being anticipated by CUMMINGS 6,058,034.

Regarding claims 1, 6, 14.

CUMMINGS discloses an adapter for providing DC power via at least one power line to a portable device comprising circuitry to generate an identification signal proportional to a maximum adapter current available from said adapter (columns 1, 2, column 3, lines 14-17).

Regarding claims 2, 7.

CUMMINGS discloses the adapter as claimed in claims 1 and 6 wherein said circuitry comprising a current limit encoder generating said identification signal (col. 3, lines 14-29).

Regarding claims 8, 12, 15, 19.

CUMMINGS discloses the adapter system as claimed in claim 7. CUMMINGS although not explicit as to the current limit decoder comprising a keyboard controller, said keyboard, said keyboard controller generating SMBus commands to a digital to analog circuit said voltage proportional to said maximum adapter current are inherent in the controller that selectively enables the power management circuitry to deliver power to the processor and memory depending upon the current converter information (col. 2 lines 65-68, col. 3, lines 1-29).

Regarding claim 13.

CUMMINGS teaches a portable electronic device (150), comprising circuitry to receive an identification signal (130, 140) proportional to a maximum adapter current supplied to said portable electronic device and a charger controlled by an AC/DC adapter (110).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-5, 9, 10, 11, 16, 17, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over CUMMINGS 6,058,034 in view of MILLER 5,818,197.

Regarding claims 3-5, 9, 10, 16, 17, 18.

CUMMINGS discloses adapter as claimed in claim 1 wherein the current converter can be identified by an electronic device in order to prevent use of an improper converter with the device (col. 2, lines 37-39).

CUMMINGS is silent wherein said circuitry comprising an identification resistor coupled to a positive adapter voltage.

MILLER identification teaches identification resistors to identify different adapters (col. 7, lines 29-41).

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the adapter to include an identification resistor. The motivation would be to have a current converter that can be identified by an electronic device (col.2, lines 36-43).

Regarding claim 11.

CUMMINGS discloses an adapter topology system as claimed in claim 6.

CUMMINGS is silent wherein the circuitry comprises a current sense resistor coupled to a positive adapter voltage and current sense comparator coupled to said current sense resistor, said current sense comparator having a set upper gain and generating a normalized value of said identification signal said portable electronic

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device comprising a resistor coupled between said identification signal and ground thereby generating a voltage representing a percentage that an actual current is respect to the maximum adapter current.

MILLER discloses the means to identify adapters, using identification resistors, is well known in the art.

It would have been obvious to one having ordinary skill in the art at the time of this invention to provide the above circuitry (col. 7, lines 28-41). The motivation would be to provide the means to detect an adapter

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (571) 272-2049. The Examiner can normally be reached Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Brian Sircus, can be reached on (571) 272-2058. The Fax phone number for this Group is (703) 872-9306.

RLD

NOVEMBER 9, 2005

A handwritten signature in black ink, appearing to read 'Robert L. DeBeradinis', written in a cursive style.

**ROBERT L. DEBERADINIS
PRIMARY EXAMINER**